

```
FL39      1  MAAV.....RTER.....DIVE.....
ICK1      1  M.V.....EKYTRAK.....GIVE.....
FL67      1  M.....SKYTRSKIDGAGAGAGGGGGGGGGESSIAL...VSEP...
FL66      1  M.....EKYTRSKITG.....DISUMEVSKATAPG...
ALFCDKI   1  M.....EKYTRSKLK.....SKSESPSPN
CrCKI     1  MAAAA'TPTSSP...SKLKK.....VKS.....

FL39      14  .....ENGVTT.....
ICK1      14  .....A.GVSS.....
FL67      41  .....SSSLGVLTIRAKSTALQQQQQRCLLKPSPP
FL66      27  .....P....SVRTRAAKTLAL....KR..LSSAAD
ALFCDKI   19  STPTPSPSPSPPTITNSPPTTPNSSDGVTRR...ARHLE...NS...
CrCKI     22  .....

FL39      20  .....TT..VKRTRKMEEEVDLVER
ICK1      19  .....IV..MDE...
FL67      72  SSLPPTSASPNNPPSKQKMKKKQQQMM.....CGE...QLR...S...
FL66      49  SALP.....N.....SSC...L...L...N...
ALFCDKI   61  .....NNQONQLSVSS...ST..L...N...
CrCKI     22  .....SYNTPOLR...S...

FL39      37  RIILSPCVQATNRGGIVAR.....
ICK1      26  R.....R..IVYV...
FL67      108 R.....RLQKKP.....IVVIRSTKRRRQQRNETCGRNPN
FL66      64  R.....RE.KPSSLIE.....QO.....P...
ALFCDKI   80  R.....RIKR.....ELIQHSAKRNN.....GHIDG...
CrCKI     31  R.....P.....S...N...

FL39      56  .....NSAASE..TEV...VVRRRDSPPDEEQ.....
ICK1      33  .....SEKSSSV...SVV.....
FL67      140  ...PNSNLDSTRGDSRS..DEVSE..SVVFGKDKDLSE.I...NKDPT...
FL66      79  ...PVHRSGIKESRSRVDVN..SVP.....VAQSS...NEDECTUNE
ALFCDKI   102 ...PK...SFI...G...DTAEERTV.....OKSPEPENAB...EK...
CrCKI     35  LSAE.....

FL39      80  ..CQIEEESSV.SCCSTSEE.KSKRRIEVDLRR..NNGDDRET.EISWIY...
ICK1      43  ...GNGVSSBCSGSNEYKKK...ELIH...EDKDG...EYS.TYRRG
FL67      180  ...G...FLEHEHTQSFNHTRES...
FL66      117  VSVQVSCENSTG.....ESRH.....STRES...
ALFCDKI   129  ...GA...E...RSAR...
CrCKI     39  ...EN...EAT...ED...

FL39      125 .....DDLNKSEESMNMD...SSVAVEDVE.....
ICK1      83  WKRLCENLREEEKEELKSME..NYSSEFESAVK...E...
FL67      202  TE.....CS.....LIRREIM.....TI.....EG
FL66      140  TE.....EN.....FVEDMEIM.....VI.....EG
ALFCDKI   142  TE.....VH.....LMRADVIRPPRPPIHRTT.FE...
CrCKI     47  TELEVAAVVEEEEVANCS.....SSEVI.....TIARSDPEP
```

Figure 1

FL39 148 GRRR.....RSLHETV..
ICK1 117DCSCS.....GRRTMEPTMTA
FL67 218 ESTANIS..VS.....SNOS..EDELRS
FL66 156 ESTE.SM.RATK.....EYTE..QENMI.
ALFCDKI 166ANPS..TL..
CrCKI 79CSSNYDQLSSSEPEVVKDDGLGNRTADPEVESGASSA..QK...E

FL39 161K.....SALLIEDFQVAKELRNELMCSMK
ICK1 135 EEEKAKLMT.....EMPTES..EDFFVEAKOLKEM...KKS
FL67 239 SHRRR.....PTT.....SHIRFGGAREEQKQZIE...K
FL66 177PTT.....S...MDEETAYALQOQRLTMM...K
ALFCDKI 174Q.....PTI.....ISR.FEFCCKHAAQUREEM...K
CrCKI 123 SHRTEA.EATKLDODDYEAUKSTVQIKMPSSTIRHFFAVAKELKKPESF...K

FL39 187YFHFERLEPIGGERYE
ICK1 171YFHFERLEKPL.EGRYE
FL67 268 YVFFRFICSVLLVMSFQFVLFSSFGLVSLMVSVNSFFR(YFHFPPNEQPLP.GREF
FL66 201YFHFIVNLIPIES.GRYE
ALFCDKI 202YFHFPPTEQPLP.GRYE
CrCKI 175YFHFIVKLVPIK.GRYE

FL39 204YFHFIVNLI
ICK1 187YFHFIVNLI
FL67 322YFHFIVNLI
FL66 217YFHFIVNLI
ALFCDKI 218YFHFIVNLI
CrCKI 191YFHFIVNLI

FIGURE 1 (continued)

Figure 2B

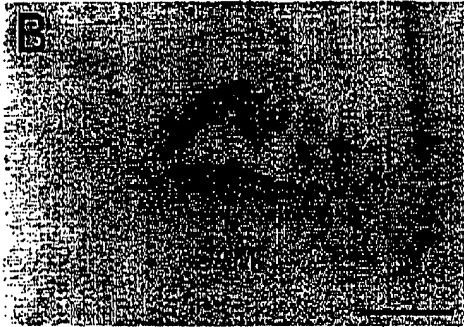


Figure 2D

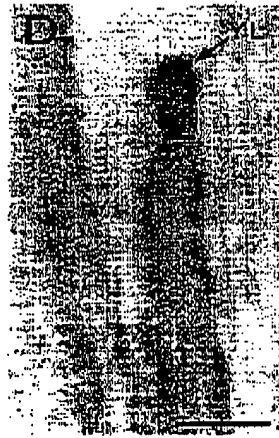


Figure 2E

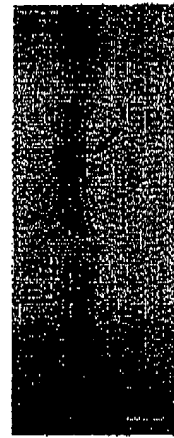


Figure 2C

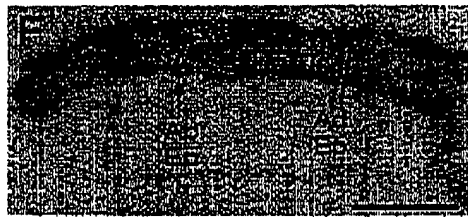


Figure 2F

Control

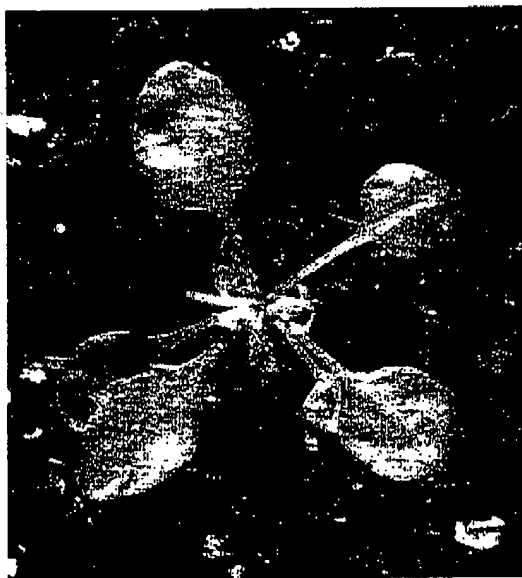


Figure 3A

ICK2 1.10



Figure 3B

Control

ICK2 1.10

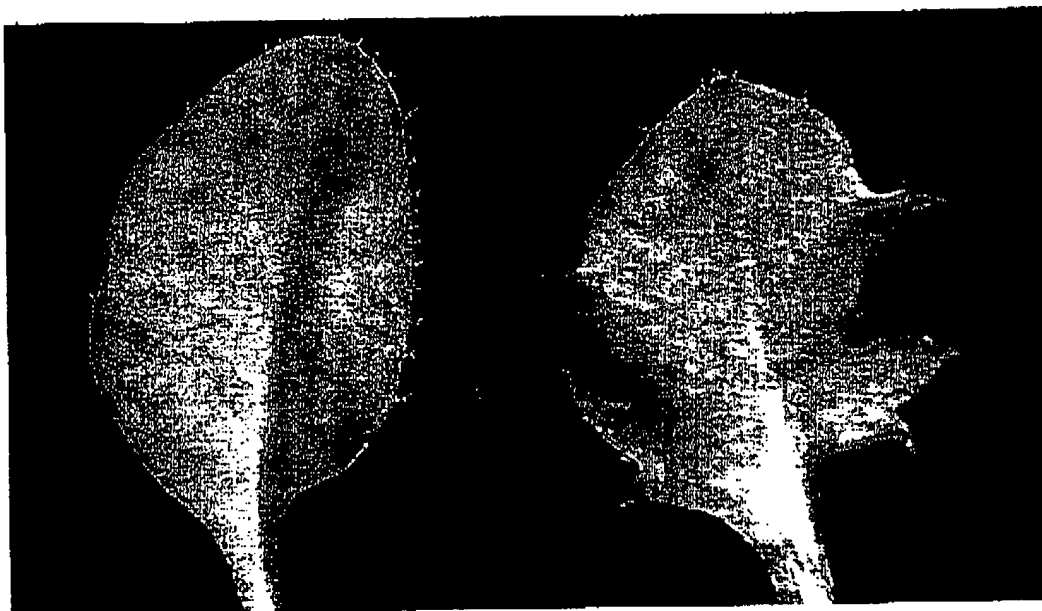


Figure 3C

Figure 4A

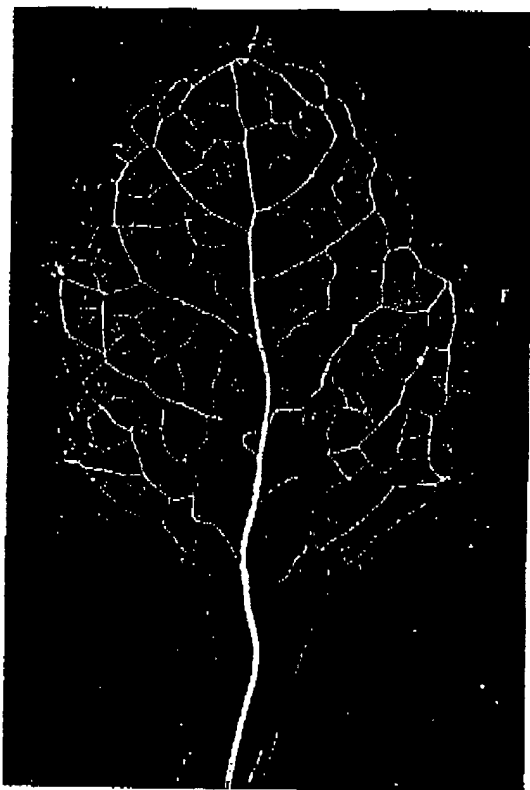


Figure 4B



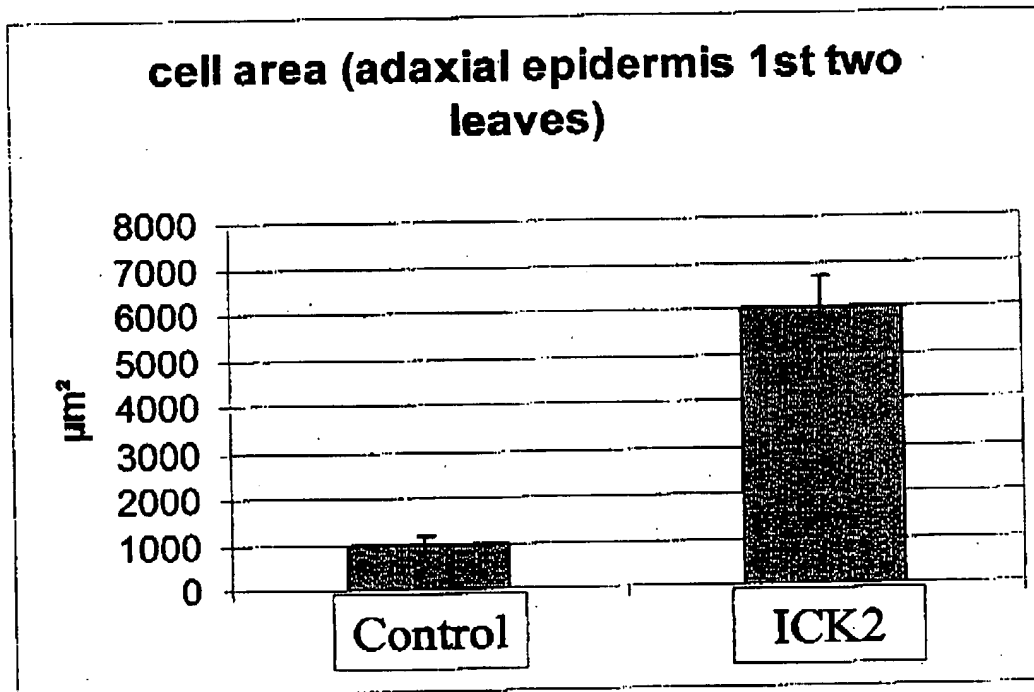


Figure 5

Figure 6A

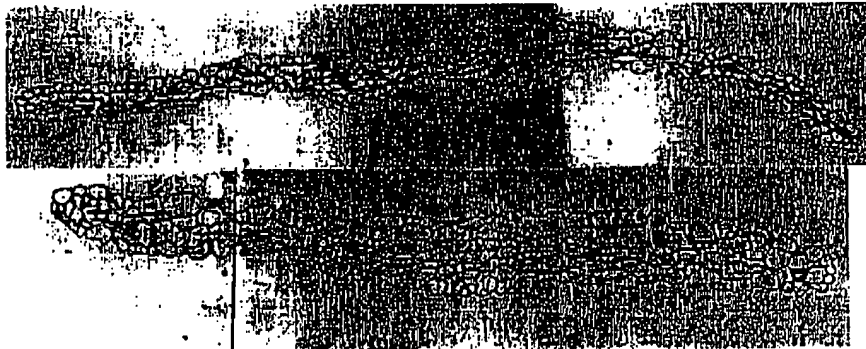
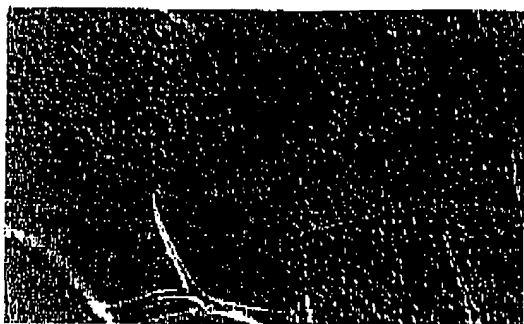


Figure 6B

Narrow leaves: Whole-mount study of cleared leaves (1st rosette leaves)

A



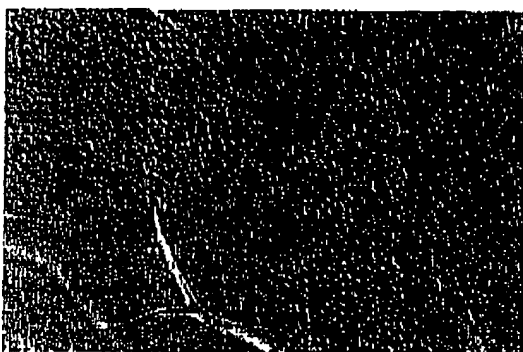
WT: DIC image of adaxial epidermis

B



35SFL39: DIC image of adaxial epidermis (same magnification as WT)

C



WT: DIC image of palissade layer

D



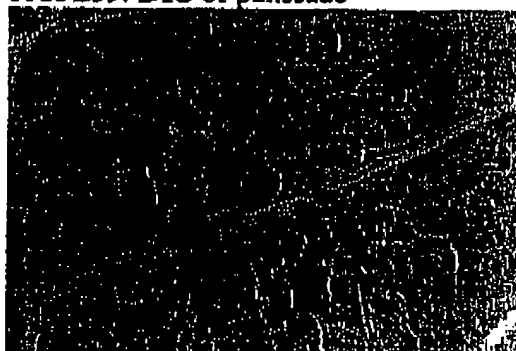
35SFL39: DIC of palissade

E



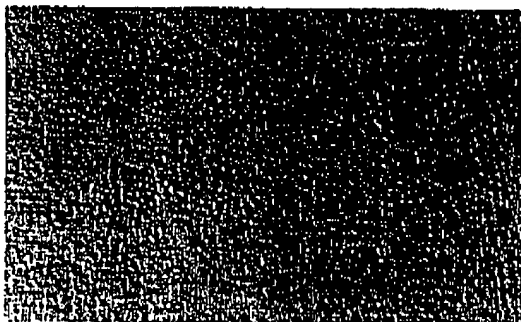
WT: DIC image of spongy parenchyma

F



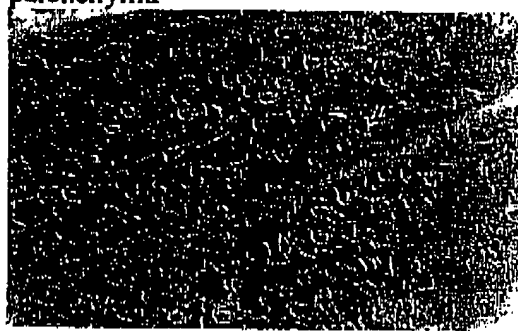
35SFL39: DIC image of spongy parenchyma

G



WT: DIC image of abaxial epidermis

H



35SFL39: DIC image of abaxial epidermis

Figure 7

Control

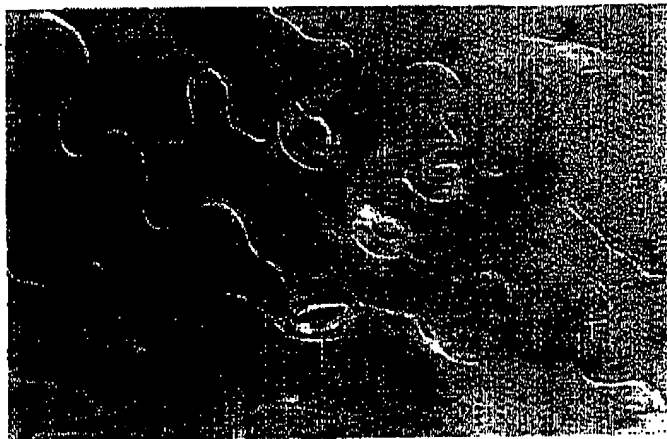


Figure 8A

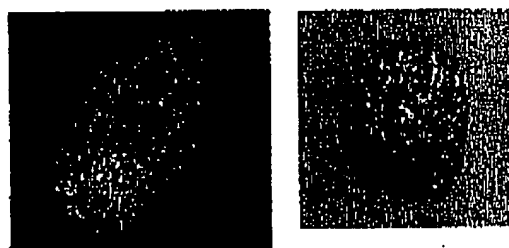


Figure 8B

ICK2

Figure 9A

Figure 9B



WT seed 35SFL39 seed

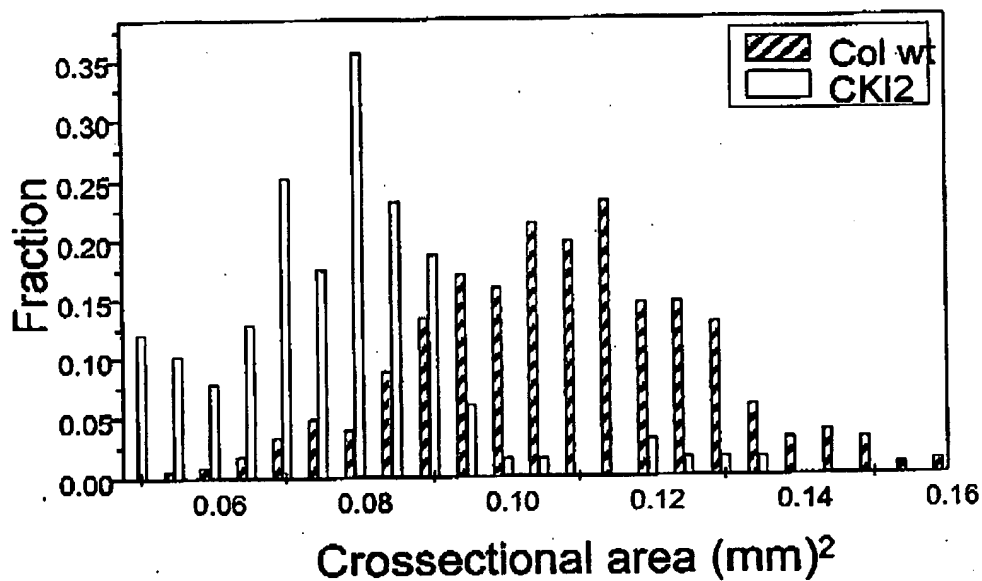


Figure 10

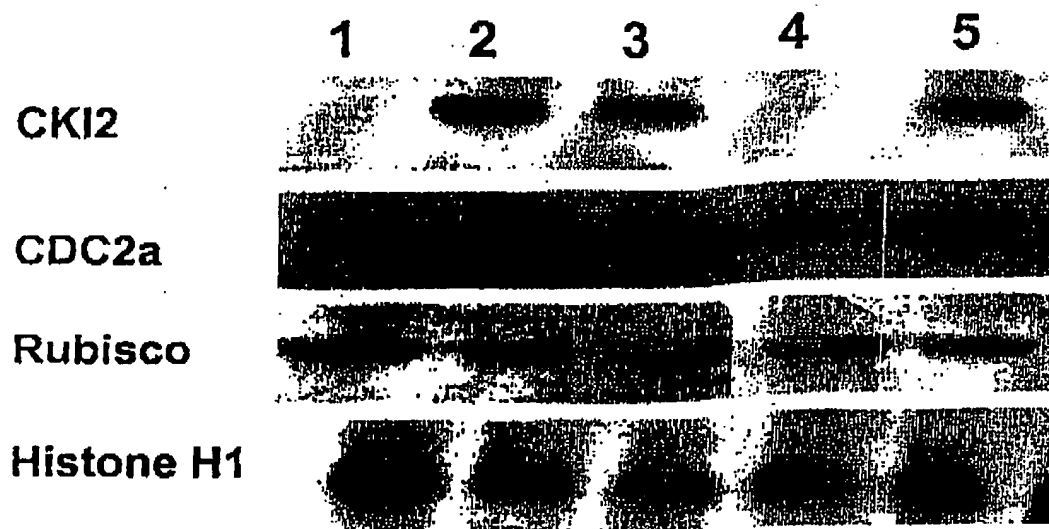


Figure 11

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☒ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.